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Back to PALM | ASSIGNMENT | OASIS | Home page

US 20060047319 A1	US- PGPUB	20060302	27	System and method for determining optimal atrioventricular delay based on intrinsic conduction delays	607/9		Bruhns; Ken et al.
US 20050277992 A1	US- PGPUB	20051215		Collecting and analyzing sensed information as a trend of heart failure progression or regression	607/9	600/509	Koh, Steve et al.
US 20050216067 A1	US- PGPUB	20050929		System and method for predicting a heart condition based on impedance values using an implantable medical device	607/17		Min, Xiaoyi et al.
US 20050215914 A1	US- PGPUB	20050929		System and method for evaluating heart failure based on ventricular enddiastolic volume using an implantable medical device	600/508		Bornzin, Gene A. e al.
US 20050203603 A1	US- PGPUB	20050915		Convertible stylet to abet in the implant of a left heart lead	607/122		Chitre, Yougandlet al.
US 20050149138 A1	US- PGPUB	20050707		System and method for determining optimal pacing sites based on myocardial activation times	607/27		Min, Xiaoyi et al.
US 20050125041 A1	US- PGPUB	20050609		Methods for ventricular pacing	607/9		Min, Xiaoyi et al.

US 20050080471 A1	US- PGPUB	20050414	Lead body construction	607/122		Chitre, Yougandlet al.
US 20050070965 A1	US- PGPUB	20050331	Method and system for discriminating RA driven from LA driven atrial flutter	607/9		Kil, Jong et al.
US 20050059897 A1	US- PGPUB	20050317	Statistical analysis for implantable cardiac devices	600/510		Snell, Jeffery D. et al.
US 20050055060 A1	US- PGPUB	20050310	Determination of respiratory characteristics from AV conduction intervals	607/17		Koh, Steve et al.
US 20040267321 A1	US- PGPUB	20041230	Method and apparatus for monitoring drug effects on cardiac electrical signals using an implantable cardiac stimulation device	607/3	607/9	Boileau, Peter et al
US 20040243210 A1	US- PGPUB	20041202	Fixation of a left heart medical lead in the coronary sinus	607/122	607/125	Morgan, Kevin L. et al.
US 20040199104 A1	US- PGPUB	20041007	Apparatus and system for delivery of drug therapies	604/65		Ujhelyi, Michael R. et al.
US 20040064176 A1	US- PGPUB	20040401	Electrode for his bundle stimulation	607/126		Min, Xiaoyi et al.
US 20030233139 A1	US- PGPUB	20031218	Technique for fixating a lead	607/122		Chitre, Yougandlet al.
US 20030195579 A1	US- PGPUB	20031016	Automatic capture using independent	607/27		Bradley, Kerry et al.

Stewart, Mark T. e al. Stewart, Mark T. e
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Stewart,
Mark T. e
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Florio,
Joseph J.
et al.
Florio,
Joseph J.
et al.
Bornzin,
Gene A. e
al.

			and method		
US 20030153956 A1	US- PGPUB	20030814	Cardiac stimulation device including sleep apnea prevention and treatment	607/17	Park, Euljoon e al.
US 20030153955 A1	US- PGPUB	20030814	Cardiac stimulation device including sleep apnea prevention and treatment	607/17	Park, Euljoon e al.
US 20030153954 A1	US- PGPUB	20030814	Sleep apnea therapy device using dynamic overdrive pacing	607/17	Park, Euljoon e al.
US 20030153953 A1	US- PGPUB	20030814	Stimulation device for sleep apnea prevention, detection and treatment	607/17	Park, Euljoon e al.
US 20030130704 A1	US- PGPUB	20030710	Method and apparatus for dynamically adjusting a non- linear overdrive pacing response function	607/11	Florio, Joseph J. et al.
US 20030130703 A1	US- PGPUB	20030710	Method and apparatus for dynamically adjusting overdrive pacing parameters	607/11	Florio, Joseph J. et al.
US 20030083708 A1	US- PGPUB	20030501	Implantable cardiac stimulation system and method for automatic capture verification calibration	607/27	Bradley, Kerry et al.
US 20030074040 A1	US- PGPUB	20030417	System, device and method for placing a body	607/119	Florio, Joseph J. et al.

			implantable lead in the coronary sinus region of the heart		
US 20030050681 A1	US- PGPUB	20030313	Self-anchoring coronary sinus lead	607/125	Pianca, Anne M. et al.
US 20030045910 A1	US- PGPUB	.20030306	Pacing mode to reduce effects of orthostatic hypotension and syncope	607/23	Sorensen, Chris et al
US 20030040778 A1	US- PGPUB	20030227	Orientation of patient's position sensor using external field	607/17	Kroll, Mark W. et al.
US 20030040776 A1	US- PGPUB	20030227	Detection of patient's position and activity status using 3D accelerometer- based position sensor	607/9	Kroll, Mark W. et al.
US 20020147488 A1	US- PGPUB	20021010	Body implantable lead with improved tip electrode assembly	607/122	Doan, Phong D. et al.
US 20020120303 A1	US- PGPUB	20020829	Implantable cardiac device providing repetitive non- reentrant ventriculo-atrial synchronous (RNRVAS) rhythm therapy using VA interval extension and method	607/14	Levine, Paul A. et al.
US 20020120301 A1	US- PGPUB	20020829	Implantable cardiac device providing repetitive non-reentrant ventriculo-atrial	607/9	Levine, Paul A. et al.

US 20020103524	US- PGPUB	20020801	synchronous (RNRVAS) rhythm therapy using secondary pacing pulses and method Implantable cardiac single	607/122	Bornzin, Gene A. e
Al			pass coronary sinus lead for providing pacing and defibrillation and method of manufacture		
US 20020103523 A1	US- PGPUB	20020801	Implantable cardiac coronary sinus lead having a defibrillation electrode of split configuration and method of manufacture	607/122	Helland, John R. et al.
US 20020095190 A1	US- PGPUB	20020718	System and method for automating capture verification assessment and pacing threshold assessment using a programmer	607/28	Bornzin, Gene A. e al.
US 20020022839 A1	US- PGPUB	20020221	Ablation catheter and method for isolating a pulmonary vein	606/41	Stewart, Mark T. e al.
US 20020004672 A1	US- PGPUB	20020110	Implantable cardiac stimulation device with detection and therapy for patients with vasovagal syncope	607/9	Florio, Joseph J. et al.
US 20020004671	US- PGPUB	20020110	System and method for	607/9	Bornzin, Gene A. e

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A1			preventing sudden heart rate drop using implantable cardiac pacing device		al.
US 20020004670 A1	US- PGPUB	20020110	Implantable cardiac stimulation device with detection and therapy for patients with vasovagal syncope	607/9	Florio, Joseph J. et al.
US 20020002389 A1	US- PGPUB	20020103	Cardiac stimulation devices and methods for measuring impedances associated with the left side of the heart	607/8	Bradley, Kerry et al.
US 20010049542 A1	US- PGPUB	20011206	System and method for automatically verifying capture during multichamber stimulation	607/28	Florio, Joseph J. et al.
US 20010037136 A1	US- PGPUB	20011101	Lead with polymeric tubular liner for guidewire and stylet insertion	607/122	Pianca, Anne M. et al.
US 20010037135 A1	US- PGPUB	20011101	Lead with polymeric tubular liner for guidewire and stylet insertion	607/122	Pianca, Anne M. et al.
US 7006868 B2	USPAT	20060228	Method and apparatus for using a rest mode indicator to automatically	607/19	Florio; Joseph J. et al.

			adjust control parameters of an implantable cardiac stimulation device			
US 6999817 B2	USPAT	20060214	Cardiac stimulation device including sleep apnea prevention and treatment	607/19	607/9	Park; Euljoon e al.
US 6990374 B1	USPAT	20060124	Methods and apparatus for overdrive pacing heart tissue using an implantable cardiac stimulation device	607/9		Florio; Joseph J. et al.
US 6988007 B1	USPAT	20060117	Single pass telescoping cardiac lead for the left heart	607/123	600/374; 607/125	Morgan; Kevin L. et al.
US 6973352 B1	USPAT	20051206	Steerable cardiac pacing and sensing catheter and guidewire for implanting leads	607/122		Tsutsui; Duane et al.
US 6968232 B2	USPAT	20051122	Method and apparatus for using a rest mode indicator to automatically adjust control parameters of an implantable cardiac stimulation device	607/18		Florio; Joseph J. et al.
US 6949097 B2	USPAT	20050927	Ablation catheter and method for isolating a pulmonary vein	606/41	607/113; 607/122; 607/99	Stewart; Mark T. e al.
US 6937900 B1	USPAT	20050830	AC/DC multi- axis	607/19	607/18	Pianca; Anne M.

			accelerometer for determining patient activity and body position			et al.
US 6937897 B2	USPAT	20050830	Electrode for His bundle stimulation	607/9	607/127	Min; Xiaoyi et al.
US 6934587 B1	USPAT	20050823	System and method for automatic atrial capture detection and atrial pacing threshold determination	607/28		Bornzin; Gene A. e al.
US 6928324 B2	USPAT	20050809	Stimulation device for sleep apnea prevention, detection and treatment	607/20	607/18; 607/42	Park; Euljoon e al.
US 6925326 B1	USPAT	20050802	Implantable cardiac stimulation system and method for measuring atrioventricular conduction and adjusting atrioventricular hystersis	600/510	607/9	Levine; Paul A. et al.
US 6915164 B2	USPAT	20050705	Automatic capture using independent channels in bichamber stimulation	607/29		Bradley; Kerry et al.
US 6904321 B1	USPAT	20050607	System and method of identifying fusion for dual-chamber automatic capture stimulation device	607/27		Bornzin; Gene A. e al.
US 6904320 B2	USPAT	20050607	Sleep apnea therapy device using dynamic	607/17		Park; Euljoon e al.

			overdrive pacing			
US 6904317 B2	USPAT	20050607	Method and apparatus for dynamically adjusting overdrive pacing parameters	607/9	607/11	Florio; Joseph J. et al.
US 6899711 B2	USPAT	20050531	Ablation catheter and method for isolating a pulmonary vein	606/41	607/113; 607/122; 607/99	Stewart; Mark T. e al.
US 6889077 B2	USPAT	20050503	Implantable cardiac stimulation device that defibrillates the atria while avoiding the ventricular vulnerable period and method	607/4	607/63	Bornzin; Gene A. e al.
US 6862471 B1	USPAT	20050301	Method and apparatus for blanking T-waves from combipolar atrial cardiac signals based on expected T-wave locations	600/509	607/9	McClure; Kelly H. et al.
US 6832112 B1	USPAT	20041214	Method of adjusting an AV and/or PV delay to improve hemodynamics and corresponding implantable stimulation device	607/9		Bornzin; Gene A.
US 6804556 B1	USPAT	20041012	Methods and apparatus for overdrive pacing heat tissue using an implantable cardiac stimulation	607/9		Florio; Joseph J. et al.

			device			
US 6792318 B2	USPAT	20040914	Technique for fixating a lead	607/126		Chitre; Yougandlet al.
US 6792307 B1	USPAT	20040914	Implantable cardiac stimulation system and method for measuring atrioventricular conduction and adjusting atrioventricular hysteresis	607/9	600/509	Levine; Paul A. et al.
US 6782291 B1	USPAT	20040824	Implantable cardiac stimulation device with automatic evoked response sensing electrode configuration selection and method	607/28		Bornzin; Gene A. e al.
US 6773433 B2	USPAT	20040810	Ablation catheter and method for isolating a pulmonary vein	606/41	607/113; 607/122; 607/99	Stewart; Mark T. e al.
US 6766203 B2	USPAT	20040720	Body implantable lead with improved tip electrode assembly	607/122		Doan; Phong D. et al.
US 6766195 B1	USPAT	20040720	Method and apparatus for detecting natural electrical coherence within the heart and for administering therapy based thereon	607/14	600/515; 607/4; 607/5	Bornzin; Gene A. e al.
US 6760619 B1	USPAT	20040706	Two lead universal defibrillation,	607/4	607/123	Helland; John R. et al.

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			pacing and sensing system			
US 6758854 B1	USPAT	20040706	Splittable occlusion balloon sheath and process of use	606/194	604/101.01	Butler; William e al.
US 6748277 B1	USPAT	20040608	Medical catheter/lead body design and means of manufacture thereof	607/122		Chitre; Yougandlet al.
US 6748268 B1	USPAT	20040608	Three lead universal pacing and shocking system	607/4		Helland; John R. et al.
US 6748261 B1	USPAT	20040608	Implantable cardiac stimulation device for and method of monitoring progression or regression of heart disease by monitoring interchamber conduction delays	600/510	600/509; 607/9	Kroll; Mark W. et al.
US 6745081 B1	USPAT	20040601	Coronary Sinus Cardiac Lead For Stimulating and Sensing The Atria of the Right and Left Heart and System	607/123		Helland; John R. et al.
US 6741885 B1	USPAT	20040525	Implantable cardiac device for managing the progression of heart disease and method	600/509	600/529; 607/19; 607/20	Park; Euljoon e al.
US 6731985 B2	USPAT	20040504	Implantable cardiac stimulation system and method for	607/28		Poore; John W. e al.

				automatic capture verification calibration			
i	US 6721601 31	USPAT	20040413	System and method for automatic atrial capture detection and atrial pacing threshold determination	607/28		Bornzin; Gene A. e al.
1	US 6721598 B1	USPAT	20040413	Coronary sinus cardiac lead for stimulating and sensing in the right and left heart and system	607/4	607/123	Helland; John R. et al.
	US 6711438 B1	USPAT	20040323	Method and apparatus for blanking T-waves from combipolar atrial cardiac signals based on expected T-wave locations	607/9		McClure; Kelly H. et al.
	US 6701187 B1	USPAT	20040302	Implantable cardiac stimulation device and method for prolonging atrial refractoriness	607/14		Bornzin; Gene A. e al.
	US 6671553 B1	USPAT	20031230	Implantable cardiac lead having terminating connector strain relief and method of manufacture	607/37	607/119	Helland; John R. et al.
	US 6662047 B2	USPAT	20031209	Pacing mode to reduce effects of orthostatic hypotension and syncope	607/18	607/23	Sorensen; Chris et al
	US 6658292 B2	USPAT	20031202	Detection of patient's position and activity status	607/19		Kroll; Mark W. et al.

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			using 3D			
			accelerometer-			
			based position			
			sensor	100/510		 _ _ _
US 6658283	USPAT	20031202	Implantable	600/510		Bornzin;
B1			cardiac			Gene A. e
			stimulation			al.
			device, system	ļ		
			and method			
			which provides			
			an electrogram			
			signal having the			
			appearance of a			
			surface			
			electrocardiogram			
US 6650945	USPAT	20031118	Implantable	607/122	607/123	Helland;
B2			cardiac coronary			John R. et
			sinus lead having			al.
			a defibrillation			
			electrode of split			
			configuration and			
			method of			
			manufacture			
US 6650931	USPAT	20031118	System and	600/510		McClure;
B1			method of			Kelly H.
			automatically			et al.
			determining the			
			onsets and ends			
			of cardiac events			
			and far-field			
			signals			
US 6647295	USPAT	20031111	Implantable	607/9	607/17	Florio;
B2	OSIAI	20031111	cardiac	0077	00//1/	Joseph J.
B2			stimulation			et al.
			device with			Ct al.
			detection and			
			therapy for			
			patients with			
			vasovagal			
US 6640136	USPAT	20031028	syncope	607/28		Helland;
	USPAI	20031028	Implantable	00 // 28		John R. et
B1			cardiac			1 1
			stimulation			al.
			device with			
			automatic		1	
	<u> </u>		electrode			

			selection for avoiding cross- chamber stimulation			
US 6636766 B2	USPAT	20031021	System and method for preventing sudden heart rate drop using implantable cardiac pacing device	607/19	607/17	Bornzin; Gene A. e al.
US 6625493 B2	USPAT	20030923	Orientation of patient's position sensor using external field	607/17		Kroll; Mark W. et al.
US 6625492 B2	USPAT	20030923	Implantable cardiac stimulation device with detection and therapy for patients with vasovagal syncope	607/17	607/9	Florio; Joseph J. et al.
US 6625490 B1	USPAT	20030923	System and method of automatically adjusting sensing parameters based on temporal measurement of cardiac events	607/9		McClure Kelly H. et al.
US 6618619 B1	USPAT	20030909	Method and apparatus for reducing the effect of evoked responses on polarization measurements in an automatic capture pacing system	607/27	607/28	Florio; Joseph J. et al.
US 6606517 B1	USPAT	20030812	Methods and apparatus for preventing atrial	607/14		Park; Euljoon e al.

US 6572612	USPAT	20030603	arrhythmias by overdrive pacing and prolonging atrial refractoriness using an implantable cardiac stimulation device Ablation catheter	606/41	607/113;	Stewart;
B2	Corre	20030003	and method for isolating a pulmonary vein		607/122; 607/99	Mark T. e al.
US 6539259 B1	USPAT	20030325	System and method of automatically adjusting sensitivity in an implantable cardiac stimulation device	607/9	·	Weinberg Lisa P. et al.
US 6519493 B1	USPAT	20030211	Methods and apparatus for overdrive pacing heart tissue using an implantable cardiac stimulation device	607/9		Florio; Joseph J. et al.
US 6512953 B2	USPAT		System and method for automatically verifying capture during multichamber stimulation	607/28		Florio; Joseph J. et al.
US 6510342 B1	USPAT	20030121	Methods and apparatus for preventing atrial arrhythmias by overdrive pacing multiple heart tissue sites using an implantable	607/15	607/14	Park; Euljoon e al.

			cardiac stimulation device			
US 6498949 B2	USPAT	20021224	Implantable cardiac device providing repetitive non- reentrant ventriculo-atrial synchronous (RNRVAS) rhythm therapy using VA interval extension and method	607/14	607/9	Levine; Paul A. et al.
US 6490489 B2	USPAT	20021203	Implantable cardiac single pass coronary sinus lead for providing pacing and defibrillation and method of manufacture	607/122		Bornzin; Gene A. e al.
US 6477419 B2	USPAT	20021105	Implantable cardiac device providing repetitive non- reentrant ventriculo-atrial synchronous (RNRVAS) rhythm therapy using secondary pacing pulses and method	607/14	607/9	Levine; Paul A. et al.
US 6466821 B1	USPAT	20021015	AC/DC multi- axis accelerometer for determining patient activity and body position	607/18	607/19	Pianca; Anne M. et al.
US 6459937 B1	USPAT	20021001	Endocardial pacing lead with detachable tip electrode assembly	607/126	607/119	Morgan; Kevin L. et al.

US 6456890 B2	USPAT	20020924	Lead with polymeric tubular liner for guidewire and stylet insertion	607/122		Pianca; Anne M. et al.
US 6456889 B2	USPAT	20020924	Lead with polymeric tubular liner for guidewire and stylet insertion	607/122		Pianca; Anne M. et al.
US 6456881 B1	USPAT	20020924	System and method of identifying fusion for dual-chamber automatic capture stimulation device	607/27		Bornzin; Gene A. e al.
US 6456880 B1	USPAT	20020924	Implantable cardiac stimulation device for and method of monitoring progression or regression of a patient's heart condition by monitoring ventricular repolarization interval dispersion	607/25		Park; Euljoon e al.
US 6449509 B1	USPAT	20020910	Implantable stimulation device having synchronous sampling for a respiration sensor	607/20	600/533; 600/547; 607/17	Park; Euljoon e al.
US 6430448 B1	USPAT	20020806	Stimulating electrode having low polarization and method of making same	607/121	607/119	Chitre; Yougandl et al.
US 6430447 B1	USPAT	20020806	Stimulating electrode having low polarization	607/121	427/118; 607/119	Chitre; Yougandhet al.

			and method of making same			
US 6408210 B1	USPAT	20020618	System and method for automatic atrial capture detection and atrial pacing threshold determination	607/28		Bornzin; Gene A. e al.
US 6405091 B1	USPAT	20020611	Lead assembly with masked microdisk tip electrode and monolithic controlled release device	607/120	607/126	Vachon; David J. e al.
US 6389316 B1	USPAT	20020514	System and method for automatic atrial capture detection and atrial pacing threshold determination	607/28	607/11	Bornzin; Gene A. e al.
US 6377852 B1	USPAT	20020423	Implanatable cardiac stimulation device and method for prolonging atrial refractoriness	607/9		Bornzin; Gene A. e al.
US 6351672 B1	USPAT	20020226	System and method for modulating the pacing rate based on patient activity and position	607/19	607/17	Park; Euljoon e al.
US 6325797 B1	USPAT	20011204	Ablation catheter and method for isolating a pulmonary vein	606/41	607/113; 607/122; 607/99	Stewart; Mark T. e al.
US 6321123 B1	USPAT	20011120	J-shaped coronary sinus lead	607/122	600/374	Morris; Mary M. et al.
US 6295471 B1	USPAT	20010925	System and method for automatic atrial	607/28		Bornzin; Gene A. e al.

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			capture detection and atrial pacing threshold determination			
US 6275733 B1	USPAT	20010814	Dual sensor rate response pacemaker	607/18	607/19	Park; Euljoon e
US 6269264 B1	USPAT	20010731	Method for measuring impedance in the body	600/547	607/28	Weyant; Robert R et al.
US 6198973 B1	USPAT	20010306	Integrated steroid eluting pacing tip electrode	607/120		Doan; Phong et al.
US 6178355 B1	USPAT	20010123	Intracardiac defibrillation leads	607/122		Williams Terrell M et al.
US 6175766 B1	USPAT	20010116	Cardiac pacemaker autothreshold arrangement and method with reliable capture	607/28		Bornzin; Gene A. al.
US 6128534 A	USPAT	20001003	Implantable cardiac stimulation device and method for varying pacing parameters to mimic circadian cycles	607/17	607/25	Park; Euljoon e al.
US 6122546 A	USPAT	20000919	Pacemaker and method of operating same that provides functional atrial cardiac pacing with ventricular support	607/9		Sholder; Jason A. et al.
US 6058328 A	USPAT	20000502	Implantable stimulation device having means for operating in a preemptive	607/14		Levine; Paul A. e al.

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			pacing mode to prevent tachyarrhythmias and method thereof			
US 6044294 A	USPAT	20000328	Methods and apparatus for measuring impedance in the body	600/547	607/9	Mortazavi Said et al.
US 6038472 A	USPAT	20000314	Implantable defibrillator and lead system	607/5	607/122	Williams; Terrell M. et al.
US 5991661 A	USPAT	19991123	System and method for measuring cardiac activity	607/19		Park; Euljoon e al.
US 5891176 A	USPAT	19990406	System and method for providing hemodynamically optimal pacing	607/18		Bornzin; Gene A.
US 5873895 A	USPAT	19990223	Pacemaker and method of operating same that provides functional atrial cardiac pacing with ventricular support	607/9		Sholder; Jason A. et al.
US 5871530 A	USPAT	19990216	Intracardiac defibrillation leads	607/122		Williams; Terrell M. et al.
US 5836976 A	USPAT	19981117	Cardioversion energy reduction system	607/6		Min; Xiaoyi et al.
US 5814077 A	USPAT	19980929	Pacemaker and method of operating same that provides functional atrial cardiac pacing with ventricular support	607/9		Sholder; Jason A. et al.
US 5810739 A	USPAT	19980922	Methods and apparatus for	600/510		Bornzin; Gene A. e

			classifying cardiac events with an implantable cardiac device			al.
US 5800467 A	USPAT	19980901	Cardio- synchronous impedance measurement system for an implantable stimulation device	607/17		Park; Euljoon e al.
US 5766229 A	USPAT	19980616	Capture verification method and apparatus for implantable pacemaker utilizing heart rhythm stability measurements to minimize the likelihood of fusion	607/28	607/16	Bornzin; Gene A.
US 5733312 A	USPAT	19980331	System and method for modulating the output of an implantable medical device in response to circadian variations	607/17		Schloss; Harold C. et al.
US 5718242 A	USPAT	19980217	Cardiac arrhythmia detection system for an implantable stimulation device and method	600/515	600/518; 600/521; 607/14	McClure; Kelly H. et al.
US 5713924 A	USPAT	19980203	Defibrillation threshold reduction system	607/4		Min; Xiaoyi et al.
US 5697956	USPAT	19971216	Implantable	607/28		Bornzin;

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A			stimulation			Gene A.
			device having			
			means for			
			optimizing			
			current drain			
US 5690686	USPAT	19971125	Atrial	607/5		Min;
A			defibrillation			Xiaoyi et
			method			al.
US 5674274	USPAT	19971007	Implantable	607/123	607/122	Morgan;
A			adjustable single-	ļ		Kevin L.
			pass A-V lead for			et al.
		·	use with an			
			implantable			
	İ		stimulation			
			device			
US 5643338	USPAT	19970701	Single-pass A-V	607/123	607/125	Bornzin;
A			lead for pacing			Gene A. e
			with stimulation	1		al.
			of right			
			ventricular			
-			outflow tract			
US 5628779	USPAT	19970513	Single-pass A-V	607/123	607/125	Bornzin;
A	001111		pacing lead		·	Gene A. e
`			Para-Brane			al.
US 5560369	USPAT	19961001	Cardiac	600/518	600/517;	McClure;
A	002.11		arrhythmia		600/521	Kelly H.
			detection system			et al.
			for an			
			implantable			
			stimulation			
			device and			
			method].
US 5549650	USPAT	19960827	System and	607/24	607/25	Bornzin;
i i	USFAI	19900027	method for	007/24	307723	Gene A. e
A			providing			al.
			1.			"
			hemodynamically			
			optimal pacing			
110 55 406 40	TIODAT	10060927	therapy	607/15		Florio;
US 5549649	USPAT	19960827	Programmable	007/13		1 1
A			pacemaker			Joseph J.
			including an			et al.
			atrial rate filter			
			for deriving a			
			filtered atrial rate			
			used for			
	1		switching pacing	1		

			modes			
US 5549642 A	USPAT	19960827	Atrial defibrillator and method of use	607/5		Min; Xiaoyi et al.
US 5540725 A	USPAT	19960730	Upper rate response for implantable pacemaker based on atrial lock interval pacing	607/9		Bornzin; Gene A. e al.
US 5514162 A	USPAT	19960507	System and method for automatically determining the slope of a transfer function for a rate-responsive cardiac pacemaker	607/19		Bornzin; Gene A. e al.
US 5513644 A	USPAT	19960507	Cardiac arrhythmia detection system for an implantable stimulation device	600/521	128/901	McClure; Kelly H. et al.
US 5509926 A	USPAT	19960423	Implantable medical device having means for suppressing thermally induced signals from piezoelectric sensors and method thereof	607/19		Mortazavi Said et al.
US 5476483 A	USPAT	19951219	System and method for modulating the base rate during sleep for a rateresponsive cardiac pacemaker	607/17		Bornzin; Gene A. e al.
US 4941475 A	USPAT	19900717	Thermodilution by heat exchange	600/505	600/526; 600/549	Williams; Wilbur R. et al.

US 4813421 A	USPAT	19890321	Oxygen sensing pacemaker	600/333	356/41; 607/22	Baudino; Michael D. et al.
US 4807629 A	USPAT	19890228	Oxygen sensing pacemaker	607/22	600/333; 600/510	Baudino; Michael D. et al.
US 4791935 A	USPAT	19881220	Oxygen sensing pacemaker	600/333	600/505	Baudino; Michael D. et al.
US 4725128 A	USPAT	19880216	Method for delivering light from multiple light emitting diodes over a single optical fiber	385/91	156/60; 156/64; 257/100; 257/89; 257/98; 257/99; 385/90	Bornzin; Gene A. e al.
US H000356 H	USPAT	19871103	Fpicardial lead having low threshold, low polarization myocardial electrode	607/126	604/20; 607/122	Stokes; Kenneth B. et al.
US 4502492 A	USPAT	19850305	Low-polarization low-threshold electrode	607/121	607/126	Bornzin; Gene A.
US 4499907 A	USPAT	19850219	Energy limiting cardioversion lead	607/122		Kallok; Michael J et al.
US 4467807 A	USPAT	19840828	Rate adaptive demand pacemaker	607/22		

Bornzin; Gene A.

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